

Title (en)

HANDHELD TRANSDUCER SCANNING SPEED GUIDES AND POSITION DETECTORS

Title (de)

HAND-WANDLER-SCANNINGGESCHWINDIGKEITSFÜHRUNGEN UND POSITIONSDETEKTOREN

Title (fr)

GUIDES DE LA VITESSE DE BALAYAGE ET DÉTECTEURS DE POSITION D'UN TRANSDUCTEUR PORTATIF

Publication

EP 2254477 A4 20110810 (EN)

Application

EP 08833737 A 20080929

Priority

- US 2008078188 W 20080929
- US 99589507 P 20070928

Abstract (en)

[origin: WO2009043046A1] Methods for controlling and monitoring speed and position of a handheld medical transducer. Three methods are presented of various means, two of which include the user in the feedback loop and the third is fully automatic. In the third, an optical position sensor similar to an optical computer mouse provides enough information that the system can respond to and correct for a freehand scanning motion by the user.

IPC 8 full level

A61N 7/02 (2006.01); **A61B 17/00** (2006.01); **A61N 7/00** (2006.01)

CPC (source: EP US)

A61N 7/02 (2013.01 - EP US); **A61B 2017/00115** (2013.01 - EP US); **A61N 2007/0008** (2013.01 - EP US)

Citation (search report)

- [YA] US 5645066 A 19970708 - GANDINI REBECCA L [US], et al
- [YA] US 6132379 A 20001017 - PATACSIL ESTELITO G [US], et al
- [A] US 3964297 A 19760622 - JORGENSEN HANS G, et al
- [A] WO 2005006954 A2 20050127 - ALFRED E MANN INST BIOMED ENG [US], et al
- [A] US 2003130615 A1 20030710 - TOM CURTIS P [US]
- See references of WO 2009043046A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2009043046 A1 20090402; EP 2254477 A1 20101201; EP 2254477 A4 20110810; EP 2254477 B1 20130529; US 2010256489 A1 20101007

DOCDB simple family (application)

US 2008078188 W 20080929; EP 08833737 A 20080929; US 68053808 A 20080929